



October 26, 2004

Mr. George Dorn  
South Carolina Public Service Commission  
ATTN: Docketing Department  
P. O. Drawer 11649  
Columbia, SC 29211

RE: Progress Energy Carolinas, Inc.'s Petition to Revise  
Its Nuclear Depreciation Expense Rates  
Docket No. 2004-\_\_\_\_-E

Dear Dorn:

Enclosed for filing with the Commission are an original and ten (10) copies of revisions to the depreciation expense study for Progress Energy Carolinas, Inc. ("PEC"), filed with the North Carolina Utilities Commission ("NCUC") on March 9, 2004. These revisions relate solely to PEC's three nuclear plants. PEC is extending the depreciable lives of its Harris and Brunswick plants by 20 years and its Robinson plant by 5 years. The result of these revisions is a reduction of PEC's annual system depreciation expense of approximately \$47 million.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Len S. Anthony', written over a horizontal line.

Len S. Anthony  
Deputy General Counsel-Regulatory Affairs

LSA:mhm

Attachment

218562

BEFORE  
THE PUBLIC SERVICE COMMISSION OF  
SOUTH CAROLINA

DOCKET NO. 2004,\_\_\_-E

In the Matter of

Progress Energy Carolinas, Inc.'s	)	PROGRESS ENERGY CAROLINAS,
Petition to Revise Its Nuclear	)	INC.'S PETITION TO REVISE ITS
Depreciation Expense Rates	)	NUCLEAR DEPRECIATION EXPENSE
	)	RATES

Pursuant to Rules 103-830 and 103-836 of the Public Service Commission of South Carolina ("The Commission") and S.C. Code Ann. §§ 58-3-140, 58-27-140, 58-27-230, and 58-27-1550, Progress Energy Carolinas, Inc. ("PEC") petitions the Commission for an accounting order allowing it to adopt revised nuclear depreciation expense rates effective January 1, 2004. In support of its petition, PEC shows the following.

- 1) The correct name and legal address of the petitioner is:

Progress Energy Carolinas, Inc.  
410 South Wilmington Street  
Raleigh, NC 27601

- 2) The attorneys for PEC to whom all correspondence should be directed are:

Len S. Anthony  
Kendal C. Bowman  
Progress Energy Service Company, LLC  
410 South Wilmington Street (PEB 17A4)  
Raleigh, NC 27601

3) PEC is an electric utility organized, existing and operating under the laws of the State of North Carolina, and authorized to do business in South Carolina, for the purposes of generating, transmitting and distributing electric power in its service territories in North and South Carolina.

4) On March 9, 2004, PEC filed with the Commission its Petition to Adopt New Depreciation Expense Rates effective January 1, 2004. The Commission voted to approve the new rates on March 23, 2004.

5) A significant factor in the depreciation rates filed March 9, 2004, was the anticipated extension of the Robinson Unit No. 2 nuclear operating license which would extend the allowed operational life of the plant by twenty (20) years.<sup>1</sup> PEC conservatively calculated its new depreciation rates for the Robinson Nuclear Plant based on a fifteen (15) year extended operating life. Since that time PEC has decided to: a) file with the Nuclear Regulatory Commission requests to extend the nuclear licenses of its two other nuclear plants, the Harris and Brunswick Nuclear Plants, by twenty (20) years; b) extend the depreciable lives of these plants by an additional twenty (20) years and adjust their depreciation rates accordingly on the basis that it is reasonably probable PEC's nuclear license extension requests will be granted; and c) revise the depreciable life of the Robinson Nuclear Plant by the full twenty (20) years of the license life extension, rather than the fifteen (15) years used in PEC's March 9, 2004 filing, because it is reasonably probable that the plant will operate the entire period of the license extension. PEC requests the Commission issue an accounting order allowing it to implement the new depreciation expense rates as reflected in the attached study effective January 1, 2004. All changes from the depreciation study filed March 9, 2004 are attached as Exhibit 1.

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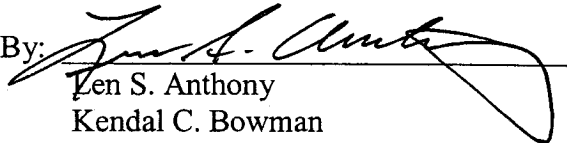
<sup>1</sup> The Nuclear Regulatory Commission has now granted PEC the license extension.

The annual impact of this revision is a decrease in PEC's annual depreciation expense of \$46,812, 248.

6) Adoption and implementation of the new depreciation rates will not involve a change to any of PEC's rates or prices, or any Commission rule, regulation or policy. In addition, issuance of the accounting order does not prejudice any party's right to address this issue in a subsequent general rate case proceeding. PEC respectfully requests that the accounting order be made effective as of January 1, 2004.

WHEREFORE, PEC requests the Commission issue an accounting order allowing it to adopt and implement the new depreciation rates as described above.

Respectfully submitted this 26<sup>th</sup> day of October, 2004.

By:   
Len S. Anthony  
Kendal C. Bowman  
Post Office Box 1551  
Raleigh, North Carolina 27602-1551  
Telephone: (919) 546-6367

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EXHIBIT 1

BEFORE THE PUBLIC SERVICE COMMISSION OF  
SOUTH CAROLINA

DOCKET NUMBER 2004-\_\_\_\_-E

PROGRESS ENERGY CAROLINAS, INC  
NUCLEAR GENERATION PLANT

DEPRECIATION STUDY  
AS OF DECEMBER 31, 2002

October 1, 2004

Mr. Andrew Krebs  
Manager of Property and Materials Accounting  
Progress Energy Carolinas, Inc  
Mail Code: PEB 18-A4  
P.O. Box 1551  
410 South Wilmington Street  
Raleigh, NC 27602

RE: Nuclear Generation Depr. Study

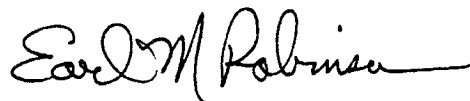
Dear Mr. Krebs:

In accordance with your authorization, we have prepared a depreciation study related to the Nuclear Generation utility plant in service of Progress Energy Carolinas, Inc as of December 31, 2002. Our findings and recommendations, together with supporting schedules and exhibits, are set forth in the accompanying report. This report updates the report sent to you on March 5, 2004. In the attached information, successful life extension has been utilized for all nuclear units.

Summary schedules have been prepared to illustrate the impact of instituting the recommended annual depreciation rates as a basis for the Company's annual depreciation expense as compared to the rates presently utilized. The application of the present rates to the Nuclear Generation depreciable plant in service as of December 31, 2002 results in an annual depreciation expense of \$105,277,844. In comparison, the application of the proposed depreciation rates to the Nuclear Generation depreciable plant in service at December 31, 2002 results in an annual depreciation expense of \$58,465,596, which is a decrease of \$46,812,248 from current rates. The composite annual depreciation rate under present rates is 2.24 percent, while the proposed pro forma composite depreciation rate is 1.25 percent.

Section 2 of our report contains the summary schedules showing the results of our service life and salvage studies and summaries of presently utilized depreciation rates. The subsequent sections of the report present updated information reflecting life extensions. A detailed table of contents follows this letter.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Earl M. Robinson", with a stylized flourish at the end.

EARL M. ROBINSON, CDP

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Note: This update required no change to Sections 3, 5, 7, and 8, as filed on March 9, 2004 in Docket No. 2004-71-E.

**PROGRESS ENERGY CAROLINAS, INC**  
**Nuclear Generation Plant**

Executive Summary

Table 1 - FERC ACCOUNT on pages 2-1 and 2-2 is a comparative summary which illustrates the effect of instituting the revised depreciation rates. The schedule includes a comparison of the annual depreciation rates and annual depreciation expense under both present and proposed rates applied using the Straight Line Method for each depreciable property group of the Progress Energy Carolinas, Inc ("Company") plant in service as of December 31, 2002. Both the present and proposed depreciation rates were developed utilizing the Straight Line (SL) Method, Broad Group (BG) Procedure, and the Average Remaining Life (ARL) Technique.

Table1 - Plant Site on pages 2-3 and 2-4 is a summary of present and proposed depreciation rates, relative to the Company's Nuclear Plant Accounts and is summarized by each individual plant site and property group account. Both Table 1-FERC ACCOUNT and Table 1 - Plant Site provide the proposed depreciation rates segmented by plant only, gross salvage and cost of removal recovery components.

Table 2 on page 2-5 provides a summary of the detailed life estimates and service life parameters (Iowa Curves) utilized in preparing the Average Remaining Life depreciation rates for each property group. The developed depreciation rates (Column L) were determined by studying the Company's historical investment data together with the interpretation of future life expectancies which will have a bearing on the overall service life of the Company's property.

Table 2-Location on pages 2-6 and 2-7 is a summary of the depreciation rate



development for the Company's Nuclear Production plant accounts detailed by account and plant locations.

The utilization of the recommended depreciation rates based upon the Straight Line Average Remaining Life Procedure results in the setting of depreciation rates which will continuously true up the Company's level of capital recovery over the life of each asset group. Application of this procedure, which is based upon the current best estimates of service life together with the Company's plant in service and accrued depreciation, produces annual depreciation rates that will result in the Company recovering 100 percent of its investment -- no more, no less.

It is recommended that the Company continue to apply depreciation rates and maintain its book depreciation reserve on an account-level basis. The maintenance of the book reserve on an account-level basis requires both the development of annual depreciation expense and distribution of other reserve account charges to an individual account level. Maintaining the Company's depreciation records in this detail will aid in completing the various rate studies and, most importantly, clearly identifies the Company's level of capital recovery relative to each category of plant investment.

The general drivers for the proposed depreciation rates include an assessment of the Company's historical experience with regard to achieved service lives and net salvage factors. In addition, consideration is given to current and anticipated events which are anticipated to impact the Company's ability to recover its fixed capital costs related to utility plant in service utilized to provide service to the Company's customers.

The depreciation rate for each individual account changed as a result of reflecting estimates obtained through the in-depth analysis of the Company's most recent data

together with an interpretation of ongoing and anticipated future events.

The most notable depreciation/amortization occurred relative to Account 321 - Structures and Improvements, Account 322 - Reactor Plant Equipment, and Account 323 - Turbogenerator Units. All changes were due to life extension assumptions.

Applying the proposed depreciation to the Company's December 31, 2002 Nuclear Generation plant in service produces annual depreciation expense of \$58,465,596 which is a decrease of \$46,812,248 from current depreciation rates.

The following summary compares the present and proposed composite depreciation rates for illustrative purposes only. The Composite Depreciation Rate should not be applied to the total Company investment inasmuch as the non-proportional change in plant investment as a result of property additions or retirements would render the composite rate inappropriate. The Table 1 schedule lists the recommended annual depreciation rates for each property account.

#### Present Depreciation Rates

Depreciable Nuclear Generation Plant In Service at December 31, 2002	\$4,691,537,400
Annual Depreciation Expense	105,277,844
Composite Annual Depreciation Rate	2.24%

#### Proposed Depreciation Rates

Depreciable Nuclear Generation Plant In Service at December 31, 2002	\$4,691,537,400
Annual Depreciation Expense	58,465,596
Composite Annual Depreciation Rate	1.25%

Table 1 - FERC ACCOUNT

## Progress Energy Carolinas, Inc

Summary or Original Cost of Nuclear Generation Utility Plant in Service as of December 31, 2002  
and Related Annual Depreciation Expense Under Present and Proposed Rates

(By FERC Account)

Account No. (a)	Description (b)	Original Cost 12/31/02 (c)	Present Rates		Proposed Plant Only Rates		Proposed Gross Salv. Rates		Proposed COR Rates		Total Proposed Rates		Net Change Depr. Exp. (n)
			Rate % (d)	Annual Accrual (e)	Rate % (f)	Annual Accrual (g)	Rate % (h)	Annual Accrual (i)	Rate % (j)	Annual Accrual (k)	Rate % (l)	Annual Accrual (m)	
DEPRECIABLE PLANT													
Nuclear Production Plant													
Land Rights													
320.02	Brunswick Nuclear #1LR	7,532	0.64%	48	0.64%	48	0.00%	0	0.00%	0	0.64%	48	0
	Brunswick Nuclear #2 LR	51,363	0.26%	134	0.26%	134	0.00%	0	0.00%	0	0.26%	134	0
	Harris Nuclear #1 LR	40,764,273	1.50%	611,314	1.50%	611,314	0.00%	0	0.00%	0	1.50%	611,314	0
	Robinson Nuclear #2LR	39,144	0.34%	133	0.34%	133	0.00%	0	0.00%	0	0.34%	133	0
	TOTAL Account 320	40,862,313	1.50%	611,629	1.50%	611,629	0.00%	0	0.00%	0	1.50%	611,629	0
Structures and Improvements													
321.00	Brunswick Nuclear #1	193,893,076	3.34%	6,476,029	1.63%	3,160,457	-0.08%	(155,114)	-0.13%	(262,061)	1.42%	2,753,282	(3,722,747)
	Brunswick Nuclear #2	238,279,380	2.19%	5,218,318	1.13%	2,692,557	-0.11%	(262,107)	-0.18%	(428,903)	0.84%	2,001,547	(3,216,771)
	Brunswick Media Center	992,299	7.64%	75,812	3.46%	34,334	-0.09%	(893)	-0.14%	(1,389)	3.23%	32,051	(43,761)
	Harris Nuclear #1	1,321,137,208	2.48%	32,764,203	1.54%	20,345,513	-0.05%	(660,569)	-0.07%	(924,796)	1.42%	18,760,148	(14,004,065)
	Robinson Nuclear #2	185,496,015	1.14%	2,114,655	1.27%	2,355,799	-0.12%	(222,595)	-0.20%	(370,992)	0.95%	1,762,212	(352,443)
	Robinson Offsite Media Center	201,797	3.60%	7,265	3.33%	6,720	-0.12%	(242)	-0.19%	(383)	3.02%	6,094	(1,171)
	TOTAL Account 321	1,939,999,774	2.40%	46,656,262	1.47%	28,595,380	-0.07%	(1,301,520)	-0.10%	(1,978,524)	1.30%	25,315,334	(21,340,948)
Reactor Plant Equipment													
322.00	Brunswick Nuclear #1	313,145,184	3.09%	9,676,186	1.64%	5,135,581	-0.08%	(250,516)	-0.08%	(250,516)	1.48%	4,634,549	(5,041,637)
	Brunswick Nuclear #2	291,273,386	2.86%	8,330,419	1.45%	4,223,464	-0.10%	(291,273)	-0.12%	(349,528)	1.23%	3,582,663	(4,747,756)
	Harris Nuclear #1	680,733,842	1.00%	6,807,338	0.70%	4,765,137	-0.04%	(272,284)	-0.02%	(136,147)	0.64%	4,356,897	(2,450,641)
	Robinson Nuclear #2	242,832,504	0.73%	1,772,677	0.97%	2,355,475	-0.13%	(315,862)	-0.16%	(388,532)	0.68%	1,651,261	(121,416)
	TOTAL Account 322	1,527,984,917	1.74%	26,586,620	1.08%	16,479,657	-0.07%	(1,129,765)	-0.07%	(1,124,723)	0.93%	14,225,170	(12,361,450)
Turbogenerator Units													
323.00	Brunswick Nuclear #1	110,908,452	4.61%	5,112,880	2.14%	2,373,441	0.00%	0	0.17%	188,544	2.31%	2,561,985	(2,550,895)
	Brunswick Nuclear #2	95,076,085	4.32%	4,107,287	1.79%	1,701,862	0.00%	0	0.18%	171,137	1.97%	1,872,999	(2,234,288)
	Harris Nuclear #1	229,193,880	2.39%	5,477,734	1.51%	3,460,828	0.00%	0	0.14%	320,871	1.65%	3,781,699	(1,696,035)
	Robinson Nuclear #2	75,164,820	1.57%	1,180,088	0.97%	729,099	0.00%	0	0.19%	142,813	1.16%	871,912	(308,176)
	TOTAL Account 323	510,343,237	3.11%	15,877,989	1.62%	8,265,230	0.00%	0	0.16%	823,365	1.78%	9,088,595	(6,789,394)
Accessory Electric Equipment													
324.00	Brunswick Nuclear #1	62,708,991	3.45%	2,163,460	1.66%	1,040,969	0.00%	0	0.09%	56,438	1.75%	1,097,407	(1,066,053)
	Brunswick Nuclear #2	77,033,855	2.77%	2,133,838	1.18%	908,999	0.00%	0	0.09%	69,330	1.27%	978,330	(1,155,508)
	Harris Nuclear #1	258,712,855	1.20%	3,104,554	0.76%	1,966,218	0.00%	0	0.07%	181,099	0.83%	2,147,317	(957,237)
	Robinson Nuclear #2	72,895,625	0.70%	510,269	0.55%	400,926	0.00%	0	0.10%	72,896	0.65%	473,822	(36,447)
	TOTAL Account 324	471,351,326	1.68%	7,912,121	0.92%	4,317,112	0.00%	0	0.08%	379,763	1.00%	4,696,876	(3,215,245)
325.00	Misc. Power Plant Equipment												

Table 1 - FERC ACCOUNT

## Progress Energy Carolinas, Inc

Summary or Original Cost of Nuclear Generation Utility Plant in Service as of December 31, 2002  
and Related Annual Depreciation Expense Under Present and Proposed Rates

(By FERC Account)

Account No. (a)	Description (b)	Original Cost 12/31/02 (c)	Proposed Rates											
			Present Rates		Proposed Plant Only Rates		Proposed Gross Salv Rates		Proposed COR Rates		Total Proposed Rates		Net Change Depr., Exp. (n)	
			Rate % (d)	Annual Accrual (e)	Rate % (f)	Annual Accrual (g)	Rate % (h)	Annual Accrual (i)	Rate % (j)	Annual Accrual (k)	Rate % (l)	Annual Accrual (m)		
	Brunswick Nuclear #1	64,567,085	4.77%	3,079,850	2.38%	1,536,697	-0.09%	(58,110)	0.02%	12,913	2.31%	1,491,500	(1,588,350)	
	Brunswick Nuclear #2	25,358,974	4.10%	1,039,718	1.93%	489,428	-0.12%	(30,431)	0.02%	5,072	1.83%	464,069	(575,649)	
	Brunswick Media Center	2,356	7.90%	186	3.99%	94	-0.11%	(3)	0.02%	0	3.90%	92	(94)	
	Harris Nuclear #1	66,558,279	3.66%	2,436,033	2.47%	1,643,990	-0.05%	(33,279)	0.02%	13,312	2.44%	1,624,022	(812,011)	
	Robinson Nuclear #2	44,515,081	2.42%	1,077,265	2.22%	988,235	-0.12%	(53,418)	0.03%	13,355	2.13%	948,171	(129,094)	
	Robinson Offsite Media Center	4,056	3.72%	151	3.50%	142	-0.13%	(5)	0.03%	1	3.40%	138	(13)	
	TOTAL Account 325	201,005,832	3.80%	7,633,203	2.32%	4,658,586	-0.09%	(175,246)	0.02%	44,653	2.25%	4,527,992	(3,105,211)	
	TOTAL Nuclear Production Plant	4,691,537,400	2.24%	105,277,844	1.34%	62,927,594	-0.06%	(2,606,531)	-0.04%	(1,855,466)	1.25%	58,465,596	(46,812,248)	

Table 1 - Plant Site

## Progress Energy Carolinas, Inc

Summary or Original Cost of Nuclear Generation Utility Plant in Service as of December 31, 2002  
and Related Annual Depreciation Expense Under Present and Proposed Rates  
(By Plant Site)

Account No.	Description	Original Cost 12/31/02	Present Rates		Proposed Plant Only Rates		Proposed Gross Salv Rates		Proposed COR Rates		Total Proposed Rates		Net Change Depr. Exp. (n)
			Rate % (d)	Annual Accrual (e)	Rate % (f)	Annual Accrual (g)	Rate % (h)	Annual Accrual (i)	Rate % (j)	Annual Accrual (k)	Rate % (l)	Annual Accrual (m)	
<b>DEPRECIABLE PLANT</b>													
<b>Nuclear Production Plant</b>													
<b>Brunswick Nuclear #1</b>													
320.02	Land Rights	7,532	0.64%	48	0.64%	48	0.00%	0	0.00%	0	0.64%	48	0
321.00	Structures and Improvements	193,893,076	3.34%	6,476,029	1.63%	3,160,457	-0.08%	(155,114)	-0.13%	(252,061)	1.42%	2,753,282	(3,722,747)
322.00	Reactor Plant Equipment	313,145,184	3.09%	9,676,186	1.64%	5,135,581	-0.08%	(250,516)	-0.08%	(250,516)	1.48%	4,634,549	(5,041,637)
323.00	Turbogenerator Units	110,908,452	4.61%	5,112,880	2.14%	2,373,441	0.00%	0	0.17%	188,544	2.31%	2,561,985	(2,550,895)
324.00	Accessory Electric Equipment	62,708,991	3.45%	2,163,460	1.66%	1,040,969	0.00%	0	0.09%	56,438	1.75%	1,097,407	(1,066,053)
325.00	Misc. Power Plant Equipment	64,567,085	4.77%	3,079,850	2.38%	1,536,697	-0.09%	(58,110)	0.02%	12,913	2.31%	1,491,500	(1,598,350)
	Total Brunswick Nuclear #1	745,230,321	3.56%	26,508,453	1.78%	13,247,193	-0.06%	(463,740)	-0.03%	(244,682)	1.68%	12,538,771	(13,969,682)
<b>Brunswick Nuclear #2</b>													
320.02	Land Rights	51,363	0.26%	134	0.26%	134	0.00%	0	0.00%	0	0.26%	134	0
321.00	Structures and Improvements	238,279,380	2.19%	5,218,318	1.13%	2,692,557	-0.11%	(262,107)	-0.18%	(428,903)	0.84%	2,001,547	(3,216,771)
322.00	Reactor Plant Equipment	291,273,386	2.86%	8,330,419	1.45%	4,223,464	-0.10%	(291,273)	-0.12%	(349,528)	1.23%	3,582,663	(4,747,756)
323.00	Turbogenerator Units	95,076,085	4.32%	4,107,287	1.79%	1,701,862	0.00%	0	0.18%	171,137	1.97%	1,872,999	(2,234,288)
324.00	Accessory Electric Equipment	77,033,855	2.77%	2,133,838	1.18%	908,999	0.00%	0	0.09%	69,330	1.27%	978,330	(1,155,508)
325.00	Misc. Power Plant Equipment	25,358,974	4.10%	1,039,718	1.93%	489,428	-0.12%	(30,431)	0.02%	5,072	1.83%	464,069	(575,649)
	Total Brunswick Nuclear #2	727,073,043	2.86%	20,829,714	1.38%	10,016,444	-0.08%	(583,811)	-0.07%	(532,892)	1.22%	8,899,742	(11,929,972)
<b>Brunswick Media Center</b>													
321.00	Structures and Improvements	992,299	7.64%	75,812	3.46%	34,334	-0.09%	(893)	-0.14%	(1,388)	3.23%	32,051	(43,761)
325.00	Misc. Power Plant Equipment	2,356	7.90%	186	3.99%	94	-0.11%	(3)	0.02%	0	3.90%	92	(94)
	Total Brunswick Media Center	994,655	7.64%	75,998	3.46%	34,428	-0.09%	(896)	-0.14%	(1,389)	3.23%	32,143	(43,855)
<b>Total Brunswick Nuclear</b>													
		1,473,298,019	3.22%	47,414,165	1.58%	23,298,065	-0.07%	(1,048,447)	-0.05%	(778,963)	1.46%	21,470,656	(25,943,509)
<b>Harris Nuclear #1</b>													
320.02	Land Rights	40,754,273	1.50%	611,314	1.50%	611,314	0.00%	0	0.00%	0	1.50%	611,314	0
321.00	Structures and Improvements	1,321,137,208	2.48%	32,764,203	1.54%	20,345,513	-0.05%	(660,569)	-0.07%	(924,796)	1.42%	18,760,148	(14,004,055)
322.00	Reactor Plant Equipment	680,733,842	1.00%	6,807,338	0.70%	4,765,137	-0.04%	(272,294)	-0.02%	(136,147)	0.64%	4,356,697	(2,450,641)
323.00	Turbogenerator Units	229,193,880	2.39%	5,477,734	1.51%	3,460,828	0.00%	0	0.14%	320,871	1.65%	3,781,699	(1,696,035)
324.00	Accessory Electric Equipment	258,712,855	1.20%	3,104,554	0.76%	1,966,218	0.00%	0	0.07%	181,099	0.83%	2,147,317	(957,237)
325.00	Misc. Power Plant Equipment	66,558,279	3.66%	2,436,033	2.47%	1,643,990	-0.05%	(33,279)	0.02%	13,312	2.44%	1,624,022	(812,011)
	Total Harris Nuclear #1	2,597,090,339	1.97%	51,201,176	1.26%	32,793,000	-0.04%	(966,142)	-0.02%	(545,661)	1.20%	31,281,197	(19,919,979)
<b>Robinson Offsite Media Center</b>													
321.00	Structures and Improvements	201,797	3.60%	7,265	3.33%	6,720	-0.12%	(242)	-0.19%	(383)	3.02%	6,094	(1,171)
325.00	Misc. Power Plant Equipment	4,056	3.72%	151	3.50%	142	-0.13%	(5)	0.03%	1	3.40%	138	(13)
	Total Robinson Offsite Media Center	205,853	3.60%	7,416	3.33%	6,862	-0.12%	(247)	-0.19%	(382)	3.03%	6,232	(1,184)

Table 1 - Plant Site

## Progress Energy Carolinas, Inc

Summary of Original Cost of Nuclear Generation Utility Plant in Service as of December 31, 2002  
and Related Annual Depreciation Expense Under Present and Proposed Rates  
(By Plant Site)

Account No. (a)	Description (b)	Original Cost 12/31/02 (c)	Present Rates		Proposed Plant Only Rates		Proposed Gross Salv Rates		Proposed COR Rates		Total Proposed Rates		Net Change Depr., Exp. (n)
			Rate % (d)	Annual Accrual (e)	Rate % (f)	Annual Accrual (g)	Rate % (h)	Annual Accrual (i)	Rate % (j)	Annual Accrual (k)	Rate % (l)	Annual Accrual (m)	
Robinson Nuclear #2													
320.02	Land Rights	39,144	0.34%	133	0.34%	133	0	0.00%	0	0.34%	133	0	
321.00	Structures and Improvements	185,496,015	1.14%	2,114,655	1.27%	2,355,799	(222,595)	-0.20%	(370,992)	0.95%	1,762,212	(352,443)	
322.00	Reactor Plant Equipment	242,832,504	0.73%	1,772,677	0.97%	2,355,475	(315,682)	-0.16%	(388,532)	0.68%	1,651,261	(121,416)	
323.00	Turbogenerator Units	75,164,820	1.57%	1,180,088	0.97%	729,099	0	0.19%	142,813	1.16%	871,912	(308,176)	
324.00	Accessory Electric Equipment	72,895,625	0.70%	510,269	0.55%	400,926	0	0.10%	72,896	0.65%	473,822	(36,447)	
325.00	Misc. Power Plant Equipment	44,515,081	2.42%	1,077,265	2.22%	988,235	(53,418)	0.03%	13,355	2.13%	948,171	(129,094)	
	Total Robinson Nuclear #2	620,943,189	1.07%	6,655,087	1.10%	6,829,667	(591,695)	-0.09%	(530,460)	0.92%	5,707,511	(947,576)	
	Total Robinson Nuclear	621,149,042	1.07%	6,662,503	1.10%	6,836,529	(591,942)	-0.09%	(530,842)	0.92%	5,713,743	(948,760)	
	TOTAL Nuclear Production Plant	4,691,537,400	2.24%	105,277,844	1.34%	62,927,594	(2,606,531)	-0.04%	(1,855,466)	1.25%	58,465,596	(46,812,248)	

## Progress Energy Carolinas, Inc

**Summary of Original Cost of Nuclear Generation Utility Plant in Service and Calculation of  
Annual Depreciation Rates and Depreciation Expense Based Upon Utilization of  
Book Depreciation Reserve and Average Remaining Lives as of December 31, 2002**

Description (b)	Original Cost 12/31/02 (c)	Estimated Future		Original Cost Less Salvage (f)	Book Depreciation Reserve (g)	Net Original Cost Less Salvage (h)	A.S.L./ Survivor Curve (i)	Average Remaining Life (j)	Annual Depreciation Accrual (k)	Annual Depreciation Rate (l)
		% (d)	Net Salvage Amount (e)							
<b><u>DEPRECIABLE PLANT</u></b>										
<b><u>Nuclear Production Plant</u></b>										
Land Rights	40,852,313	0.0%	0	40,852,313	18,524,267.96	22,328,045	50-R2	36.6	610,056	1.49%
Structures and Improvements	1,939,999,774	-1.0%	-19,399,998	1,959,399,772	1,019,571,555.58	939,828,216	120-L1.5	37.2	25,264,199	1.30%
Reactor Plant Equipment	1,527,984,917	-2.4%	-36,671,638	1,564,656,555	1,097,541,654.63	467,114,901	100-L0.5	32.9	14,198,021	0.93%
Turbogenerator Units	510,343,237	-4.5%	-22,965,446	533,308,683	276,208,768.84	257,099,915	55-L1	28.3	9,084,803	1.78%
Accessory Electric Equipment	471,351,326	-2.4%	-11,312,432	482,663,758	341,773,350.40	140,890,408	60-L1.5	30.0	4,696,347	1.00%
Misc. Power Plant Equipment	201,005,832	-0.6%	-1,206,035	202,211,867	77,893,835.01	124,318,032	45-R1	27.4	4,537,154	2.26%
TOTAL Nuclear Production Plant	4,691,537,400	-2.0%	-91,555,549	4,783,092,949	2,831,513,432.42	1,951,579,516			58,390,581	1.24%

## Progress Energy Carolinas, Inc

## Summary of Original Cost of Nuclear Generation Utility Plant in Service and Calculation of Annual Depreciation Rates and Depreciation Expense Based Upon Utilization of Book Depreciation Reserve and Average Remaining Lives as of December 31, 2002

Account No. (a)	Location Code	Description (b)	Original Cost 12/31/02 (c)	Estimated Future Net Salvage % (d)	Amount (e)	Original Cost Less Salvage (f)	Book Depreciation Reserve (g)	Net Original Cost Less Salvage (h)	A.S.L./Survivor Curve (i)	Average Remaining Life (j)	Annual Depr. Accrual Basis (k)	Annual Depreciation Accrual (l)	Annual Depreciation Rate (m)
<b>DEPRECIABLE PLANT</b>													
<b>Nuclear Production Plant</b>													
<b>Land Rights</b>													
320.02		<b>TOTAL Account 320</b>	40,852,312.78	0.0%	0.00	40,852,312.78	18,524,267.96	22,328,044.82	50-R2	36.6	610,055.87	610,055.87	1.49%
		Brunswick Nuclear #1LR	7,532.48	0%	0	7,532	5,779.94	1,753	50-R2	36.6	47.88	47.88	0.64%
		Brunswick Nuclear #2 LR	51,363.07	-1.0%	(2,382,784)	240,662,174	46,439.77	58,649,287	50-R2	36.6	134.52	134.52	0.26%
		Harris Nuclear #1 LR	40,754,272.90	0%	0	40,754,273	18,437,809.55	22,316,463	50-R2	36.6	609,739.44	609,739.44	1.50%
		Robinson Nuclear #2LR	39,144.33	0%	0	39,144	34,238.70	4,906	50-R2	36.6	134.03	134.03	0.34%
		<b>TOTAL Account 320</b>	40,852,312.78	0.0%	0.00	40,852,312.78	18,524,267.96	22,328,044.82		36.6	610,055.87	610,055.87	1.49%
<b>Structures and Improvements</b>													
321.00		<b>TOTAL Account 321</b>	193,893,075.51	-1.0%	(1,939,998.00)	195,832,007	110,190,458.08	85,641,548	120-L1.5	32.4	2,643,257.67	2,736,828.00	1.41%
	2036	Brunswick Nuclear #1	238,279,379.60	-1.0%	(2,382,784)	240,662,174	182,012,886.93	58,649,287	120-L1.5	30.3	1,935,620.02	2,004,140.25	0.84%
	2034	Brunswick Nuclear #2	982,298.68	-1.0%	(9,923)	1,002,222	0.00	1,002,222	120-L1.5	32.4	30,932.77	32,027.78	3.23%
	2046	Harris Nuclear #1	1,321,137,208.33	-1.0%	(13,211,372)	1,334,348,580	585,817,107.77	748,531,473	120-L1.5	41.4	18,080,470.35	18,720,512.24	1.42%
	2030	Robinson Nuclear #2	185,496,014.58	-1.0%	(1,854,960)	187,350,975	141,506,313.04	45,844,662	120-L1.5	26.9	1,704,262.51	1,764,592.77	0.95%
	2030	Robinson Offsite Media Center	201,797.32	-1.0%	(2,018)	203,815	44,789.76	159,026	120-L1.5	27.0	5,889.84	6,098.33	3.02%
		<b>TOTAL Account 321</b>	1,939,999,774.02	-1.0%	(19,399,998.00)	1,959,399,772.02	1,019,571,555.58	939,828,216.44		37.2	24,400,433.16	25,264,199.37	1.30%
<b>Reactor Plant Equipment</b>													
322.00		<b>TOTAL Account 322</b>	313,145,184.21	-2.4%	(7,515,484)	320,660,668	175,066,822.27	145,593,846	100-L0.5	30.8	4,727,072.92	4,637,135.52	1.48%
	2036	Brunswick Nuclear #1	291,273,386.25	-2.4%	(6,990,561)	298,263,947	192,002,361.45	106,261,586	100-L0.5	29.0	3,864,192.61	3,594,477.60	1.23%
	2046	Harris Nuclear #1	680,733,842.48	-2.4%	(16,337,612)	697,071,454	525,064,114.37	172,007,340	100-L0.5	39.1	4,399,164.71	4,315,466.09	0.63%
	2030	Robinson Nuclear #2	242,832,504.34	-2.4%	(5,827,980)	248,660,484	205,408,356.54	43,252,128	100-L0.5	25.7	1,682,962.17	1,550,942.09	0.68%
		<b>TOTAL Account 322</b>	1,527,984,917.28	-2.4%	(36,671,637.00)	1,564,656,554.28	1,097,541,654.63	467,114,899.65		32.9	14,473,392.41	14,198,021.30	0.93%
<b>Turbogenerator Units</b>													
323.00		<b>TOTAL Account 323</b>	110,908,451.67	-4.5%	(4,990,880)	115,899,332	46,188,731.42	69,710,600	55-L1	27.6	2,525,746.39	2,558,282.87	2.31%
	2036	Brunswick Nuclear #1	95,076,085.34	-4.5%	(4,278,424)	99,354,509	51,762,373.18	47,592,136	55-L1	25.8	1,844,656.44	1,868,419.17	1.97%
	2034	Brunswick Nuclear #2	229,193,880.44	-4.5%	(10,313,725)	239,507,605	120,076,057.51	119,431,548	55-L1	32.0	3,732,235.87	3,780,314.26	1.65%
	2046	Harris Nuclear #1	75,164,819.90	-4.5%	(3,382,417)	78,547,237	58,181,606.73	20,365,630	55-L1	23.5	866,622.56	877,786.33	1.17%
	2030	Robinson Nuclear #2											
		<b>TOTAL Account 323</b>	510,343,237.35	-4.5%	(22,965,446.00)	533,308,683.35	276,208,768.84	257,099,914.51		28.3	8,969,261.26	9,084,802.63	1.78%
<b>Accessory Electric Equipment</b>													
324.00		<b>TOTAL Account 324</b>	62,708,991.20	-2.4%	(1,505,016)	64,214,007	33,677,450.09	30,536,557	60-L1.5	27.7	1,102,402.78	1,098,094.75	1.75%
	2036	Brunswick Nuclear #1	77,033,855.15	-2.4%	(1,848,813)	78,882,668	52,991,501.92	25,891,166	60-L1.5	26.3	984,454.99	980,607.88	1.27%
	2034	Brunswick Nuclear #2	258,712,855.08	-2.4%	(6,209,109)	264,921,964	191,829,543.78	73,092,420	60-L1.5	33.9	2,156,118.59	2,147,592.78	0.83%
	2046	Harris Nuclear #1	72,895,625.00	-2.4%	(1,749,495)	74,645,120	63,274,864.61	11,370,255	60-L1.5	24.1	471,795.24	469,951.53	0.64%
	2030	Robinson Nuclear #2											
		<b>TOTAL Account 324</b>	471,351,326.43	-2.4%	(11,312,433.00)	482,663,759.43	341,773,350.40	140,890,409.03		30.0	4,714,771.61	4,696,346.93	1.00%



Table 2 - Loc

## Progress Energy Carolinas, Inc

## Summary of Original Cost of Nuclear Generation Utility Plant in Service and Calculation of Annual Depreciation Rates and Depreciation Expense Based Upon Utilization of Book Depreciation Reserve and Average Remaining Lives as of December 31, 2002

Account No.	Location Code	Description	Original Cost 12/31/02 (c)	Estimated Future Net Salvage % (d)	Estimated Future Net Salvage Amount (e)	Original Cost Less Salvage (f)	Book Depreciation Reserve (g)	Net Original Cost Less Salvage (h)	A.S.L./Survivor Curve (i)	Average Remaining Life (j)	Annual Depr. Accrual Basis (k)	Annual Depreciation Accrual (l)	Annual Depreciation Rate (m)
325.00		Misc. Power Plant Equipment											
2036		Brunswick Nuclear #1	64,567,085.44	-0.6%	(387,403)	64,954,488	25,412,635.77	39,541,853	(1)	26.9	1,469,957.35	1,494,495.99	2.31%
2034		Brunswick Nuclear #2	25,358,974.01	-0.6%	(152,154)	25,511,128	14,048,572.70	11,462,555	(1)	25.0	458,502.21	466,156.19	1.84%
2036		Brunswick Media Center	2,356.35	-0.6%	(14)	2,370	0.00	2,370	(1)	26.2	90.47	91.98	3.90%
2046		Harris Nuclear #1	66,558,279.43	-0.6%	(399,350)	66,957,629	15,598,632.67	51,358,997	(1)	32.1	1,599,968.75	1,626,677.72	2.44%
2030		Robinson Nuclear #2	44,515,080.77	-0.6%	(267,090)	44,782,171	22,833,093.39	21,948,077	(1)	23.5	934,003.29	949,595.02	2.13%
2030		Robinson Offsite Media Center	4,055.97	-0.6%	(24)	4,080	900.48	3,179	(1)	23.5	135.30	137.55	3.39%
		TOTAL Account 325	201,005,831.97	-0.6%	(1,206,035.00)	202,211,866.97	77,893,835.01	124,318,031.96		27.4	4,462,657.37	4,537,154.45	2.26%
		TOTAL Nuclear Production Plant	4,691,537,399.83	-2.0%	(91,555,549.00)	4,783,092,948.83	2,831,513,432.42	1,951,579,516.41		33.4	57,630,571.68	58,390,560.55	1.24%

## **Progress Energy Carolinas, Inc**

### **Nuclear Generation Plant**

#### Study Results

##### Account 321 - Structures & Improvements

The current surviving investment in this account totals \$1,939,999,774, has achieved a current average age of 16.0 years, and is being depreciated using an annual depreciation rate of 2.40 percent.

The available historical retirements totaling \$25,272,376 were analyzed via the Retirement Rate Method, which have occurred at an average age of 12.7 years. Based upon an analysis of the company's historical data, an Iowa 120-L1.5 life and curve is estimated as the applicable service life characteristics. Application of the recommended service life parameters to the current surviving investment produces an implicit average service life of 52.5 years and an average remaining life of 37.2 years.

An analysis was completed of the company's historical salvage data experienced in conjunction with retirements during the 1979-2002 experience band which trended to more than negative twenty (20) percent. Accordingly, based upon historical net salvage future interim net salvage is estimated at negative twenty (20) percent of the anticipated level of future interim retirements which is negative (0.1) percent of the Company's current plant investment. The resulting recommended annual depreciation rate is 1.30 percent.

##### Account 322 - Reactor Plant Equipment

The current surviving investment in this account totals \$1,527,984,917, has achieved a current average age of 15.1 years, and is being depreciated using an annual depreciation rate of 1.74 percent.

The available historical retirements totaling \$56,941,448 were analyzed via the Retirement Rate Method, which have occurred at an average age of 13.1 years. Based

upon an analysis of the company's historical data, an Iowa 100-L0.5 life and curve is estimated as the applicable interim retirement rate life characteristics. Application of the recommended service life parameters to the current surviving investment produces an implicit average service life of 45.9 years and an average remaining life of 32.9 years.

An analysis was completed of the company's historical salvage data experienced in conjunction with retirements during the 1979-2002 experience band which trended to more than negative sixty-five (65) percent. Negative sixty (60) percent net salvage applicable to the anticipated level of the future interim retirements (which is 2.4% of the current plant in service balance) is estimated for the property investment.

Based upon the estimated interim life and curve relative to the company's current surviving investment of an Iowa 100-L0.5 and the negative 2.4 percent negative net salvage factor, the proposed annual depreciation rate for this property group is 0.93 percent.

#### Account 323 - Turbogenerator Units

The current surviving investment in this account totals \$510,343,237, has achieved a current average age of 15.0 years, and is being depreciated using an annual depreciation rate of 3.11 percent.

The available historical retirements totaling \$45,776,456 were analyzed via the Retirement Rate Method, which have occurred at an average age of 15.9 years. Based upon an analysis of the company's historical data, an Iowa 55-L1 life and curve is estimated as the applicable service life characteristics. Application of the recommended service life parameters to the current surviving investment produces an implicit average service life of 40.2 years and an average remaining life of 28.3 years.

An analysis was completed of the company's historical salvage data experienced in conjunction with retirements during the 1979-2002 experience band which trended to more than negative six (6) percent. Negative future interim net salvage is estimated at negative

ten (10) percent of the anticipated level of future interim retirements which is negative (4.5) percent of the Company's current plant investment.

The resulting recommended annual depreciation rate is 1.78 percent.

Account 324 - Accessory Electric Equipment

The current surviving investment in this account totals \$471,351,326, has achieved a current average age of 16.6 years, and is being depreciated using an annual depreciation rate of 1.68 percent.

The available historical retirements totaling \$18,587,950 were analyzed via the Retirement Rate Method, which have occurred at an average age of 11.9 years. Based upon an analysis of the company's historical data, an Iowa 60-L1.5 life and curve is estimated as the applicable service life characteristics. Application of the recommended service life parameters to the current surviving investment produces an implicit average service life of 44.7 years and an average remaining life of 30 years.

An analysis was completed of the company's historical salvage data experienced in conjunction with retirements during the 1979-2002 experience band which trended to more than negative twelve (12) percent. Accordingly, future net salvage is estimated at negative ten (10) percent of the anticipated level of future interim retirements which is negative (2.4) percent of the Company's current plant investment.

The resulting recommended annual depreciation rate is 1.00 percent.

Account 325 - Misc. Power Plant Equipment

The current surviving investment in this account totals \$201,005,832, has achieved a current average age of 12.6 years, and is being depreciated using an annual depreciation rate of 3.80 percent.

The available historical retirements totaling \$28,692,531 were analyzed via the Retirement Rate Method, which have occurred at an average age of 11.1 years. Based upon an analysis of the company's historical data, an Iowa 45-R1 life and curve is estimated as the applicable service life characteristics. Application of the recommended

service life parameters to the current surviving investment produces an implicit average service life of 36.6 years and an average remaining life of 27.4 years.

An analysis was completed of the company's historical salvage data experienced in conjunction with retirements during the 1979-2002 experience band which produced little net salvage, nevertheless, some level of negative net salvage is anticipated throughout the remaining life of the property group. Accordingly, a modest future net salvage is estimated at negative two (2) percent of the anticipated level of future interim retirements which is negative (0.6) percent of the Company's current plant investment.

The resulting recommended annual depreciation rate is 2.25 percent.

***Progress Energy Carolinas, Inc***

***Total Company***

***320.02 NUCLEAR PRODUCTION LAND RIGHTS***

***Original Cost Of Utility Plant In Service***

***And Development Of Composite Remaining Life as of December 31, 2002***

***Based Upon Broad Group/Remaining Life Procedure and Technique***

***Average Service Life: 50***

***Survivor Curve: R2***

<b><i>Year</i></b>	<b><i>Original Cost</i></b>	<b><i>Avg. Service Life</i></b>	<b><i>Avg. Annual Accrual</i></b>	<b><i>Avg. Remaining Life</i></b>	<b><i>Future Annual Accruals</i></b>
<b><i>(1)</i></b>	<b><i>(2)</i></b>	<b><i>(3)</i></b>	<b><i>(4)</i></b>	<b><i>(5)</i></b>	<b><i>(6)</i></b>
1975	51,363.07	50.00	1,027.26	27.40	28,150.28
1982	11,972.69	50.00	239.45	32.64	7,815.95
1983	861.25	50.00	17.22	33.42	575.68
1984	794.22	50.00	15.88	34.21	543.40
1985	38.77	50.00	0.78	35.01	27.14
1986	6.54	50.00	0.13	35.81	4.68
1987	40,787,276.15	50.00	815,742.21	36.62	29,872,085.03
1989	0.09	50.00	0.00	38.26	0.07
<b><i>Total</i></b>	<b>40,852,312.78</b>	<b>50.00</b>	<b>817,042.94</b>	<b>36.61</b>	<b>29,909,202.24</b>

***Composite Average Remaining Life ... 36.61 Years***

**Progress Energy Carolinas, Inc**  
**Total Company**  
**321.00 STRUCTURES AND IMPROVEMENTS**  
**Original Cost Of Utility Plant In Service**  
**And Development Of Composite Remaining Life as of December 31, 2002**  
**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
<b>BRUNSWICK NUCLEAR #1</b>					
<b>Interim Survivor Curve: Iowa 120 LL.5</b>					
<b>Probable Retirement Year: 2036</b>					
1977	53,321,801.03	56.51	943,536.11	31.89	30,089,680.72
1978	888,018.55	55.65	15,958.44	31.95	509,868.66
1979	4,774,488.98	54.77	87,167.95	32.01	2,789,936.09
1980	3,557,751.37	53.90	66,011.24	32.06	2,116,610.17
1981	7,086,506.21	53.01	133,672.71	32.12	4,293,723.28
1982	823,924.57	52.13	15,806.18	32.18	508,592.09
1983	9,982,725.10	51.23	194,842.59	32.23	6,280,015.11
1984	5,252,614.54	50.34	104,346.17	32.28	3,368,772.23
1985	722,775.74	49.44	14,620.00	32.34	472,744.14
1986	7,207,909.41	48.53	148,517.97	32.39	4,810,094.44
1987	15,516,929.21	47.62	325,829.82	32.44	10,569,268.72
1988	5,548,274.76	46.71	118,783.17	32.49	3,858,974.93
1989	2,416,508.81	45.79	52,771.75	32.54	1,716,977.75
1990	3,960,730.84	44.87	88,270.57	32.58	2,876,136.21
1991	8,767,123.86	43.95	199,501.01	32.63	6,509,350.00
1992	16,919,501.17	43.02	393,325.01	32.67	12,851,381.43
1993	3,716,370.12	42.08	88,307.53	32.72	2,889,244.89
1994	13,828,257.81	41.15	336,054.82	32.76	11,009,498.73
1995	11,793,120.03	40.21	293,289.00	32.80	9,620,684.34
1996	12,406,717.03	39.27	315,951.33	32.84	10,376,854.00
1997	3,129,651.72	38.32	81,665.80	32.88	2,685,299.37
1999	542,396.26	36.42	14,891.38	32.96	490,768.87
2000	1,664,143.33	35.47	46,917.35	32.99	1,547,892.35
2001	64,835.06	34.51	1,878.56	33.03	62,040.85

***Progress Energy Carolinas, Inc***

***Total Company***

***321.00 STRUCTURES AND IMPROVEMENTS***

***Original Cost Of Utility Plant In Service***

***And Development Of Composite Remaining Life as of December 31, 2002***

***Based Upon Broad Group/Remaining Life Procedure and Technique***

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
<b><i>Total</i></b>	193,893,075.51	47.50	4,081,916.48	32.41	132,304,409.35

**BRUNSWICK NUCLEAR #2**

***Interim Survivor Curve: Iowa 120 L1.5***

***Probable Retirement Year: 2034***

1975	106,688,986.30	56.51	1,887,875.30	30.01	56,646,859.08
1976	3,572,840.36	55.65	64,206.96	30.06	1,930,043.43
1977	1,426,569.09	54.77	26,044.90	30.11	784,284.54
1978	1,087,694.58	53.90	20,181.31	30.16	608,765.67
1979	10,924,229.91	53.01	206,063.66	30.21	6,226,067.97
1980	7,198,176.11	52.13	138,089.94	30.26	4,179,290.52
1981	1,742,005.51	51.23	34,000.42	30.31	1,030,709.56
1982	954,572.85	50.34	18,963.13	30.36	575,782.18
1983	20,859,124.35	49.44	421,929.42	30.41	12,831,270.01
1984	10,247,372.67	48.53	211,145.68	30.46	6,430,999.33
1985	6,008,970.81	47.62	126,178.44	30.50	3,848,699.16
1986	12,618,341.49	46.71	270,146.43	30.55	8,252,278.77
1987	993,069.01	45.79	21,686.65	30.59	663,433.05
1988	28,422,560.72	44.87	633,437.56	30.64	19,405,436.45
1989	1,401,411.26	43.95	31,889.93	30.68	978,303.04
1990	794,101.87	43.02	18,460.36	30.72	567,081.62
1991	195,072.81	42.08	4,635.28	30.76	142,572.46
1992	4,512,744.87	41.15	109,668.89	30.80	3,377,578.60
1993	650.10	40.21	16.17	30.84	498.56
1994	4,518,311.54	39.27	115,064.01	30.87	3,552,509.18
1995	8,240,260.52	38.32	215,023.12	30.91	6,646,504.87
1996	1,175,266.03	37.37	31,445.64	30.95	973,114.27
1997	281,340.27	36.42	7,724.14	30.98	239,287.96
1998	3,001,130.32	35.47	84,611.16	31.01	2,624,000.21



**Progress Energy Carolinas, Inc**  
**Total Company**  
**321.00 STRUCTURES AND IMPROVEMENTS**

**Original Cost Of Utility Plant In Service**  
**And Development Of Composite Remaining Life as of December 31, 2002**  
**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1999	793,599.06	34.51	22,994.14	31.04	713,837.95
2000	620,977.19	33.55	18,506.84	31.07	575,098.23
<b>Total</b>	<b>238,279,379.60</b>	<b>50.27</b>	<b>4,739,989.46</b>	<b>30.34</b>	<b>143,804,306.66</b>

BRUNSWICK OFFSITE MEDIA CENTER #MC

**Interim Survivor Curve: Iowa 120 L1.5**  
**Probable Retirement Year: 2036**

1986	887,998.23	48.53	18,297.08	32.39	592,592.82
1990	104,300.45	44.87	2,324.49	32.58	75,739.13
<b>Total</b>	<b>992,298.68</b>	<b>48.12</b>	<b>20,621.56</b>	<b>32.41</b>	<b>668,331.95</b>

HARRIS NUCLEAR #1

**Interim Survivor Curve: Iowa 120 L1.5**  
**Probable Retirement Year: 2046**

1987	,250,353,031.00	56.51	22,125,157.30	41.40	916,014,023.93
1988	12,340,788.14	55.65	221,774.39	41.49	9,201,339.48
1989	10,576,372.44	54.77	193,093.07	41.58	8,028,025.73
1990	5,318,143.19	53.90	98,673.91	41.66	4,110,791.32
1991	6,156,920.63	53.01	116,137.94	41.74	4,847,758.28
1992	5,633,057.36	52.13	108,064.67	41.82	4,519,548.28
1993	1,463,699.47	51.23	28,568.45	41.90	1,197,069.50
1994	3,505,164.77	50.34	69,632.09	41.98	2,923,083.04
1995	4,752,612.48	49.44	96,133.81	42.05	4,042,824.03
1996	2,334,419.62	48.53	48,100.39	42.13	2,026,335.99
1997	3,112,582.98	47.62	65,359.09	42.20	2,757,970.08
1998	2,032,318.52	46.71	43,509.97	42.27	1,839,017.95
1999	2,422,681.84	45.79	52,906.55	42.33	2,239,732.30
2000	7,008,918.46	44.87	156,203.81	42.40	6,622,833.88

**Progress Energy Carolinas, Inc**  
**Total Company**  
**321.00 STRUCTURES AND IMPROVEMENTS**  
**Original Cost Of Utility Plant In Service**  
**And Development Of Composite Remaining Life as of December 31, 2002**  
**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2001	1,090,053.71	43.95	24,804.81	42.46	1,053,245.74
2002	3,036,443.72	43.02	70,587.73	42.52	3,001,515.31
<b>Total</b>	<b>321,137,208.33</b>	<b>56.17</b>	<b>23,518,707.98</b>	<b>41.43</b>	<b>974,425,114.85</b>

ROBINSON OFFSITE MEDIA CENTER #MC

**Interim Survivor Curve: Iowa 120 L1.5**

**Probable Retirement Year: 2030**

1991	199,986.33	38.32	5,218.49	26.98	140,783.78
1992	1,810.99	37.37	48.46	27.01	1,308.66
<b>Total</b>	<b>201,797.32</b>	<b>38.31</b>	<b>5,266.94</b>	<b>26.98</b>	<b>142,092.44</b>

ROBINSON NUCLEAR #2

**Interim Survivor Curve: Iowa 120 L1.5**

**Probable Retirement Year: 2030**

1971	19,061,977.86	56.51	337,304.14	26.25	8,853,879.77
1972	1,028,169.36	55.65	18,477.07	26.29	485,802.43
1973	8,305.00	54.77	151.62	26.33	3,992.74
1974	34,333.92	53.90	637.04	26.38	16,802.00
1975	283,857.90	53.01	5,354.41	26.42	141,444.32
1976	18,779.00	52.13	360.26	26.46	9,531.24
1977	19,887.20	51.23	388.16	26.50	10,284.75
1978	935,179.40	50.34	18,577.87	26.54	492,964.76
1979	4,596,701.50	49.44	92,980.11	26.57	2,470,641.31
1980	5,045,071.15	48.53	103,952.99	26.61	2,766,147.44
1981	1,535,815.11	47.62	32,249.57	26.65	859,345.58
1982	302,995.71	46.71	6,486.84	26.68	173,088.97
1983	254,078.41	45.79	5,548.57	26.72	148,250.26
1984	13,708,586.70	44.87	305,515.53	26.75	8,173,618.48

**Progress Energy Carolinas, Inc**  
**Total Company**  
**321.00 STRUCTURES AND IMPROVEMENTS**  
**Original Cost Of Utility Plant In Service**  
**And Development Of Composite Remaining Life as of December 31, 2002**  
**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1985	2,720,662.50	43.95	61,910.26	26.79	1,658,360.16
1986	18,774,103.08	43.02	436,438.65	26.82	11,705,521.95
1987	6,883,559.22	42.08	163,565.55	26.85	4,392,355.35
1988	608,588.30	41.15	14,789.93	26.89	397,645.86
1989	32,484,235.16	40.21	807,866.70	26.92	21,746,064.53
1990	2,090,978.46	39.27	53,249.17	26.95	1,434,998.95
1991	16,860,056.79	38.32	439,949.92	26.98	11,868,924.25
1992	12,212,998.92	37.37	326,773.27	27.01	8,825,365.23
1993	8,255,640.17	36.42	226,656.91	27.04	6,127,994.13
1994	10,579,937.74	35.47	298,281.21	27.06	8,072,779.72
1995	5,535,151.93	34.51	160,378.29	27.09	4,344,848.22
1996	8,591,360.34	33.55	256,046.31	27.12	6,943,269.35
1997	2,069,231.10	32.59	63,488.38	27.14	1,723,177.77
1998	298,597.18	31.63	9,440.86	27.17	256,470.34
1999	5,783,454.77	30.66	188,620.97	27.19	5,128,479.77
2000	1,449,052.25	29.69	48,800.94	27.21	1,327,950.93
2001	857,800.60	28.72	29,865.33	27.23	813,313.86
2002	2,606,867.85	27.75	93,943.17	27.25	2,560,209.01
<b>Total</b>	<b>185,496,014.58</b>	<b>40.25</b>	<b>4,608,050.02</b>	<b>26.90</b>	<b>123,933,523.41</b>
<b>Account</b>					
<b>Total</b>	<b>1,939,999,774.02</b>	<b>52.47</b>	<b>36,974,552.44</b>	<b>37.20</b>	<b>1,375,277,778.67</b>

**Composite Average Remaining Life ... 37.20 Years**

**Progress Energy Carolinas, Inc**

**Total Company**

**322.00 REACTOR PLANT EQUIPMENT**

**Original Cost Of Utility Plant In Service**

**And Development Of Composite Remaining Life as of December 31, 2002**

**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
BRUNSWICK NUCLEAR #1					
<i>Interim Survivor Curve: Iowa 100 L0.5</i>					
<i>Probable Retirement Year: 2036</i>					
1977	105,552,964.70	52.49	2,011,041.85	30.07	60,462,682.79
1978	548,334.56	51.76	10,593.40	30.13	319,212.22
1979	3,218,074.94	51.03	63,062.10	30.21	1,904,792.97
1980	2,822,094.93	50.29	56,114.42	30.27	1,698,790.84
1981	3,941,572.19	49.55	79,552.94	30.35	2,414,149.64
1982	91,088.73	48.79	1,866.78	30.42	56,779.70
1983	22,596,276.81	48.04	470,406.39	30.49	14,342,296.43
1984	10,546,791.12	47.27	223,117.70	30.56	6,818,245.62
1985	31,297,869.07	46.50	673,104.32	30.63	20,619,054.02
1986	525,821.07	45.72	11,501.19	30.70	353,119.83
1987	3,320,537.65	44.93	73,899.38	30.78	2,274,400.75
1988	8,248,660.01	44.14	186,870.65	30.85	5,764,815.04
1989	10,454,619.16	43.34	241,210.77	30.92	7,458,612.51
1990	992,136.34	42.54	23,324.09	30.99	722,859.77
1991	13,413,991.17	41.73	321,483.62	31.07	9,987,383.08
1992	5,554,336.80	40.91	135,779.10	31.14	4,227,770.09
1994	34,460,672.22	39.25	877,933.61	31.28	27,464,320.44
1995	11,010,686.50	38.42	286,623.53	31.36	8,988,084.87
1996	548,946.18	37.57	14,610.46	31.43	459,206.71
1997	11,302,535.32	36.72	307,777.04	31.51	9,697,094.50
1998	4,644,589.22	35.87	129,490.69	31.58	4,089,269.01
1999	758,741.55	35.01	21,673.81	31.66	686,171.10
2000	3,970,632.85	34.14	116,302.20	31.73	3,690,761.20
2001	544,549.02	33.27	16,368.38	31.82	520,823.15
2002	22,778,662.10	32.39	703,253.06	31.90	22,433,475.16

*Progress Energy Carolinas, Inc*

*Total Company*

*322.00 REACTOR PLANT EQUIPMENT*

*Original Cost Of Utility Plant In Service*

*And Development Of Composite Remaining Life as of December 31, 2002*

*Based Upon Broad Group/Remaining Life Procedure and Technique*

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2000	903,744.50	32.39	27,901.60	29.98	836,462.11
2001	356,756.09	31.51	11,323.07	30.05	340,312.29
2002	5,265.65	30.62	171.98	30.13	5,181.15
<b>Total</b>	291,273,386.25	44.51	6,544,000.10	29.02	189,893,700.30

**HARRIS NUCLEAR #1**

**Interim Survivor Curve: Iowa 100 L0.5**

**Probable Retirement Year: 2046**

1987	504,086,813.30	52.49	9,604,085.30	38.61	370,850,243.12
1988	11,543,160.56	51.76	223,004.98	38.73	8,636,645.45
1989	759,006.98	51.03	14,873.67	38.84	577,748.11
1990	2,176,312.00	50.29	43,273.70	38.96	1,685,809.43
1991	6,786,409.76	49.55	136,970.43	39.08	5,352,211.18
1992	3,745,193.59	48.79	76,754.46	39.19	3,007,992.41
1993	1,486,268.88	48.04	30,940.95	39.31	1,216,280.15
1994	809,811.63	47.27	17,131.59	39.42	675,410.90
1995	3,113,105.42	46.50	66,951.67	39.55	2,647,688.78
1996	24,304.33	45.72	531.60	39.66	21,084.92
1997	10,552,099.24	44.93	234,839.56	39.79	9,343,414.30
1998	517,282.34	44.14	11,718.86	39.91	467,641.36
1999	1,196,085.89	43.34	27,596.30	40.03	1,104,741.99
2000	2,959,700.54	42.54	69,579.47	40.15	2,793,932.05
2001	129,825,484.98	41.73	3,111,435.42	40.29	125,356,488.17
2002	1,152,803.04	40.91	28,180.96	40.42	1,139,038.99
<b>Total</b>	680,733,842.48	49.70	13,697,868.94	39.05	534,876,371.30

***Progress Energy Carolinas, Inc***

***Total Company***

***322.00 REACTOR PLANT EQUIPMENT***

***Original Cost Of Utility Plant In Service***

***And Development Of Composite Remaining Life as of December 31, 2002***

***Based Upon Broad Group/Remaining Life Procedure and Technique***

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
ROBINSON NUCLEAR #2					
<b><i>Interim Survivor Curve: Iowa 100 L0.5</i></b>					
<b><i>Probable Retirement Year: 2030</i></b>					
1971	15,837,152.89	52.49	301,736.45	24.96	7,530,744.40
1972	1,286,059.00	51.76	24,845.67	25.00	621,229.91
1973	54,541.00	51.03	1,068.80	25.05	26,776.01
1974	430,990.31	50.29	8,569.79	25.10	215,105.00
1975	651,005.94	49.55	13,139.28	25.15	330,416.26
1976	180,576.81	48.79	3,700.76	25.20	93,244.12
1977	3,321,457.02	48.04	69,145.67	25.25	1,745,681.31
1978	2,883,979.67	47.27	61,010.68	25.29	1,543,213.73
1979	457,922.96	46.50	9,848.27	25.35	249,606.25
1980	2,353,506.65	45.72	51,477.84	25.39	1,307,191.14
1981	392,582.45	44.93	8,737.02	25.44	222,310.36
1982	2,658,449.06	44.14	60,226.28	25.49	1,535,346.49
1983	3,677,645.47	43.34	84,851.27	25.54	2,167,484.77
1984	112,405,482.50	42.54	2,642,535.46	25.59	67,630,195.27
1985	7,885,291.08	41.73	188,981.18	25.64	4,846,336.58
1986	2,514,589.01	40.91	61,470.64	25.69	1,579,361.17
1987	8,205,326.25	40.08	204,709.78	25.74	5,270,161.78
1988	1,771,148.77	39.25	45,122.48	25.79	1,163,910.99
1989	14,780,935.13	38.42	384,768.37	25.84	9,944,106.71
1990	2,960,008.77	37.57	78,782.00	25.89	2,039,873.19
1991	13,430,248.34	36.72	365,716.37	25.94	9,488,232.97
1992	13,044,001.10	35.87	363,665.46	25.99	9,452,555.45
1993	4,922,828.21	35.01	140,622.93	26.04	3,662,413.85
1994	11,399,059.42	34.14	333,885.23	26.09	8,711,915.82
1995	4,041,221.39	33.27	121,473.47	26.14	3,175,894.79
1996	2,093,262.49	32.39	64,625.98	26.19	1,692,780.93

***Progress Energy Carolinas, Inc***

***Total Company***

***322.00 REACTOR PLANT EQUIPMENT***

***Original Cost Of Utility Plant In Service***

***And Development Of Composite Remaining Life as of December 31, 2002***

***Based Upon Broad Group/Remaining Life Procedure and Technique***

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1997	377,629.11	31.51	11,985.55	26.25	314,581.10
1998	266,520.25	30.62	8,704.64	26.30	228,900.43
1999	3,150,854.24	29.72	106,003.36	26.35	2,793,349.97
2000	22,734.89	28.82	788.73	26.40	20,824.91
2001	3,756,587.46	27.92	134,546.28	26.46	3,560,441.97
2002	1,618,906.70	27.01	59,934.99	26.52	1,589,396.16
<b><i>Total</i></b>	<b>242,832,504.34</b>	<b>40.36</b>	<b>6,016,680.68</b>	<b>25.72</b>	<b>154,753,583.79</b>
<b><i>Account</i></b>					
<b><i>Total</i></b>	<b>1,527,984,917.28</b>	<b>45.86</b>	<b>33,315,511.22</b>	<b>32.93</b>	<b>1,096,977,826.84</b>

***Composite Average Remaining Life ... 32.93 Years***

**Progress Energy Carolinas, Inc**

**Total Company**

**323.00 TURBOGENERATOR UNITS**

**Original Cost Of Utility Plant In Service**

**And Development Of Composite Remaining Life as of December 31, 2002**

**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
BRUNSWICK NUCLEAR #1					
<i>Interim Survivor Curve: Iowa 55 L1</i>					
<i>Probable Retirement Year: 2036</i>					
1977	30,209,175.34	44.97	671,691.72	24.74	16,615,980.14
1979	2,558,956.86	44.13	57,982.37	25.06	1,453,152.45
1980	843,650.07	43.69	19,307.74	25.24	487,240.45
1981	3,081,746.06	43.24	71,263.41	25.42	1,811,242.30
1983	13,510,285.43	42.31	319,339.54	25.80	8,238,688.71
1985	26,884.93	41.32	650.65	26.21	17,053.46
1986	3,872,901.61	40.81	94,906.13	26.43	2,508,043.93
1989	39,914.77	39.19	1,018.38	27.11	27,609.69
1990	12,359.18	38.63	319.93	27.35	8,750.70
1992	2,418,798.15	37.46	64,562.84	27.84	1,797,745.14
1993	1,684,915.89	36.86	45,709.62	28.10	1,284,264.20
1994	52,822.80	36.25	1,457.38	28.35	41,315.95
1995	26,487,757.87	35.62	743,712.33	28.60	21,272,262.67
1996	1,644,021.27	34.97	47,008.64	28.86	1,356,607.03
1997	1,579,298.44	34.32	46,021.54	29.11	1,339,869.88
2000	1,163,194.99	32.27	36,049.05	29.87	1,076,639.21
2002	21,721,768.01	30.83	704,494.36	30.35	21,380,747.96
<b>Total</b>	<b>110,908,451.67</b>	<b>37.91</b>	<b>2,925,495.65</b>	<b>27.59</b>	<b>80,717,213.88</b>

**BRUNSWICK NUCLEAR #2**

**Interim Survivor Curve: Iowa 55 L1**

**Probable Retirement Year: 2034**

1975	33,889,946.81	44.97	753,532.54	23.46	17,680,943.61
1977	107,693.34	44.13	2,440.18	23.74	57,926.05
1978	2,013,403.17	43.69	46,078.67	23.88	1,100,487.72



*Progress Energy Carolinas, Inc*

*Total Company*

*323.00 TURBOGENERATOR UNITS*

*Original Cost Of Utility Plant In Service*

*And Development Of Composite Remaining Life as of December 31, 2002*

*Based Upon Broad Group/Remaining Life Procedure and Technique*

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1979	118,396.01	43.24	2,737.83	24.04	65,804.73
1980	195,049.57	42.78	4,559.17	24.19	110,306.54
1981	1,848,128.09	42.31	43,683.78	24.36	1,064,147.76
1983	912,444.09	41.32	22,082.38	24.71	545,702.35
1984	15,685,410.31	40.81	384,373.71	24.90	9,569,563.48
1985	41,261.91	40.28	1,024.31	25.09	25,699.55
1986	74,908.95	39.74	1,884.74	25.29	47,663.25
1987	140,294.74	39.19	3,579.47	25.49	91,255.58
1988	4,133,259.98	38.63	106,994.28	25.70	2,750,258.65
1989	2.51	38.05	0.07	25.92	1.71
1990	1.05	37.46	0.03	26.14	0.73
1991	0.43	36.86	0.01	26.36	0.31
1992	798,701.12	36.25	22,036.12	26.59	585,963.63
1993	24,286.30	35.62	681.90	26.82	18,289.23
1994	8,965,314.10	34.97	256,351.42	27.05	6,934,930.47
1995	1,635,456.72	34.32	47,658.02	27.28	1,300,272.87
1996	9,480,119.92	33.65	281,753.83	27.52	7,752,830.06
1997	852,792.39	32.96	25,870.68	27.75	717,865.12
2000	5,322,679.62	30.83	172,628.57	28.43	4,907,396.99
2001	8,836,534.21	30.10	293,612.71	28.65	8,411,041.05
<b>Total</b>	<b>95,076,085.34</b>	<b>38.44</b>	<b>2,473,564.42</b>	<b>25.77</b>	<b>63,738,351.43</b>

HARRIS NUCLEAR #1

*Interim Survivor Curve: Iowa 55 L1*

*Probable Retirement Year: 2046*

1987	205,609,935.30	44.97	4,571,673.63	31.63	144,606,709.47
1988	3,686,667.01	44.56	82,735.03	31.95	2,643,564.58
1989	2,959,526.24	44.13	67,058.71	32.28	2,164,593.82
1990	631,234.27	43.69	14,446.40	32.62	471,201.17

*Progress Energy Carolinas, Inc*

*Total Company*

*323.00 TURBOGENERATOR UNITS*

*Original Cost Of Utility Plant In Service*

*And Development Of Composite Remaining Life as of December 31, 2002*

*Based Upon Broad Group/Remaining Life Procedure and Technique*

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1991	1,058,301.43	43.24	24,472.55	32.96	806,671.50
1993	51,536.37	42.31	1,218.15	33.67	41,016.12
1997	2,068,168.20	40.28	51,341.33	35.14	1,803,988.36
1999	1,223,204.52	39.19	31,208.75	35.88	1,119,800.54
2001	11,831,964.67	38.05	310,925.54	36.62	11,385,672.26
2002	73,342.43	37.46	1,957.66	36.98	72,401.56
<b>Total</b>	<b>229,193,880.44</b>	<b>44.44</b>	<b>5,157,037.76</b>	<b>32.02</b>	<b>165,115,619.40</b>

**ROBINSON NUCLEAR #2**

**Interim Survivor Curve: Iowa 55 L1**

**Probable Retirement Year: 2030**

1971	15,880,297.72	44.97	353,093.53	20.95	7,396,283.72
1972	1,099,320.00	44.56	24,670.60	21.04	519,144.03
1974	222,912.00	43.69	5,101.56	21.24	108,365.83
1975	6,790.47	43.24	157.03	21.35	3,351.95
1976	7,359.70	42.78	172.03	21.46	3,691.01
1977	3,217.57	42.31	76.05	21.57	1,640.45
1978	12,210.06	41.82	291.97	21.69	6,332.13
1979	10,748.95	41.32	260.14	21.81	5,674.36
1980	22,627.85	40.81	554.50	21.94	12,167.73
1981	5,841.60	40.28	145.02	22.08	3,201.97
1982	7,729,752.02	39.74	194,483.97	22.22	4,321,956.01
1983	146,458.14	39.19	3,736.72	22.37	83,593.57
1984	4,190,774.89	38.63	108,483.12	22.52	2,443,382.04
1985	332,834.44	38.05	8,746.37	22.68	198,393.46
1986	1,471,721.69	37.46	39,283.37	22.85	897,538.76
1987	18,853,073.86	36.86	511,459.91	23.02	11,772,448.38
1988	2,700,971.82	36.25	74,519.65	23.19	1,728,195.52
1989	1,889,296.17	35.62	53,046.88	23.37	1,239,543.15

***Progress Energy Carolinas, Inc***

***Total Company***

***323.00 TURBOGENERATOR UNITS***

***Original Cost Of Utility Plant In Service***

***And Development Of Composite Remaining Life as of December 31, 2002***

***Based Upon Broad Group/Remaining Life Procedure and Technique***

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1992	751,013.47	33.65	22,320.49	23.92	533,880.87
1997	949,229.19	30.10	31,540.17	24.85	783,869.26
1998	1,976,489.93	29.35	67,353.33	25.04	1,686,224.02
1999	609,836.13	28.58	21,337.27	25.21	538,004.57
2000	12,001.40	27.80	431.66	25.39	10,958.80
2001	813,699.66	27.01	30,123.66	25.56	769,884.46
2002	15,466,341.17	26.21	590,143.27	25.72	15,179,251.95
<b><i>Total</i></b>	<b>75,164,819.90</b>	<b>35.10</b>	<b>2,141,532.24</b>	<b>23.46</b>	<b>50,246,977.99</b>
<b><i>Account</i></b>					
<b><i>Total</i></b>	<b>510,343,237.35</b>	<b>40.19</b>	<b>12,697,630.08</b>	<b>28.34</b>	<b>359,818,162.69</b>

***Composite Average Remaining Life ... 28.34 Years***

**Progress Energy Carolinas, Inc**

**Total Company**

**324.00 ACCESSORY ELECTRIC EQUIPMENT**

**Original Cost Of Utility Plant In Service**

**And Development Of Composite Remaining Life as of December 31, 2002**

**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>

**BRUNSWICK NUCLEAR #1**

**Interim Survivor Curve: Iowa 60 L1.5**

**Probable Retirement Year: 2036**

1977	31,103,601.15	47.96	648,496.41	25.74	16,689,962.92
1978	176,243.40	47.49	3,710.89	25.98	96,412.13
1979	580,600.72	47.01	12,350.21	26.23	323,931.49
1980	804,921.33	46.52	17,304.25	26.48	458,204.86
1981	999,704.26	46.01	21,729.52	26.73	580,847.55
1983	93,944.84	44.95	2,090.12	27.24	56,928.98
1986	379.36	43.25	8.77	27.99	245.53
1987	39,834.18	42.66	933.78	28.24	26,373.83
1988	10,744,033.39	42.05	255,501.10	28.49	7,279,781.43
1989	415,531.65	41.43	10,030.15	28.74	288,224.94
1990	99,563.42	40.79	2,440.81	28.98	70,734.31
1991	5,441.08	40.14	135.55	29.22	3,960.97
1992	1,946,458.68	39.47	49,310.95	29.46	1,452,575.22
1993	418,976.40	38.79	10,800.50	29.69	320,664.30
1994	10,199,025.09	38.10	267,711.91	29.92	8,009,731.92
1995	2,666,822.42	37.39	71,329.58	30.14	2,150,026.28
1996	406,573.43	36.66	11,089.36	30.36	336,696.52
1997	70,664.32	35.93	1,966.98	30.58	60,142.29
2002	1,936,672.08	32.03	60,463.56	31.54	1,906,893.58
<b>Total</b>	<b>62,708,991.20</b>	<b>43.33</b>	<b>1,447,404.38</b>	<b>27.71</b>	<b>40,112,339.06</b>

**BRUNSWICK NUCLEAR #2**

**Interim Survivor Curve: Iowa 60 L1.5**

**Probable Retirement Year: 2034**

1975	40,565,478.92	47.96	845,772.40	24.25	20,510,580.21
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**Progress Energy Carolinas, Inc**  
**Total Company**  
**324.00 ACCESSORY ELECTRIC EQUIPMENT**  
**Original Cost Of Utility Plant In Service**  
**And Development Of Composite Remaining Life as of December 31, 2002**  
**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1976	116,218.17	47.49	2,447.03	24.47	59,868.90
1979	457,853.71	46.01	9,951.89	25.14	250,151.92
1980	272,259.21	45.48	5,985.84	25.37	151,836.85
1981	33,799.04	44.95	751.97	25.60	19,247.72
1982	186,911.06	44.40	4,210.04	25.83	108,740.93
1983	67,078.18	43.83	1,530.36	26.06	39,879.45
1984	1,378,581.11	43.25	31,872.94	26.29	837,955.05
1985	74,194.15	42.66	1,739.24	26.52	46,124.97
1986	164,457.84	42.05	3,910.93	26.75	104,600.82
1987	14,112.56	41.43	340.65	26.97	9,188.09
1988	8,112,046.53	40.79	198,867.80	27.20	5,408,407.62
1989	211,568.54	40.14	5,270.84	27.42	144,500.60
1990	37,117.15	39.47	940.31	27.63	25,984.71
1992	1,164,666.56	38.10	30,571.07	28.06	857,854.45
1994	20,612,409.41	36.66	562,207.07	28.47	16,006,881.63
1995	1,006,479.82	35.93	28,015.91	28.67	803,181.30
1996	761,949.47	35.17	21,662.74	28.86	625,251.23
1997	420,952.86	34.41	12,234.33	29.05	355,421.80
2000	1,375,720.86	32.03	42,950.47	29.58	1,270,311.05
<b>Total</b>	<b>77,033,855.15</b>	<b>42.53</b>	<b>1,811,233.84</b>	<b>26.30</b>	<b>47,635,969.31</b>

HARRIS NUCLEAR #1

**Interim Survivor Curve: Iowa 60 LI.5**  
**Probable Retirement Year: 2046**

1987	245,696,390.80	47.96	5,122,661.71	33.73	172,764,619.95
1988	2,379,983.16	47.49	50,111.67	34.09	1,708,438.89
1989	945,328.75	47.01	20,108.50	34.46	692,884.85
1990	1,163,036.31	46.52	25,003.02	34.83	870,735.37
1991	954,620.47	46.01	20,749.58	35.19	730,218.33

**Progress Energy Carolinas, Inc**  
**Total Company**  
**324.00 ACCESSORY ELECTRIC EQUIPMENT**  
**Original Cost Of Utility Plant In Service**  
**And Development Of Composite Remaining Life as of December 31, 2002**  
**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1992	770,525.77	45.48	16,940.62	35.56	602,358.08
1993	299,817.90	44.95	6,670.45	35.92	239,597.07
1994	1,990,593.95	44.40	44,836.77	36.28	1,626,701.14
1995	1,711,516.45	43.83	39,047.57	36.64	1,430,563.16
1996	536,611.52	43.25	12,406.51	36.99	458,930.62
1997	62,069.00	42.66	1,455.01	37.34	54,330.82
1999	249,954.77	41.43	6,033.43	38.02	229,392.38
2001	1,939,212.24	40.14	48,311.89	38.67	1,868,228.59
2002	13,193.99	39.47	334.25	38.98	13,029.96
<b>Total</b>	<b>258,712,855.08</b>	<b>47.78</b>	<b>5,414,670.98</b>	<b>33.85</b>	<b>183,290,029.22</b>

ROBINSON NUCLEAR #2

**Interim Survivor Curve: Iowa 60 LI.5**  
**Probable Retirement Year: 2030**

1971	7,923,651.24	47.96	165,204.64	21.37	3,531,092.32
1972	428,668.00	47.49	9,025.81	21.53	194,361.17
1973	3,322.00	47.01	70.66	21.70	1,533.30
1974	186,023.00	46.52	3,999.13	21.87	87,451.53
1975	159,018.26	46.01	3,456.41	22.04	76,179.52
1977	75,341.94	44.95	1,676.23	22.40	37,543.69
1978	653,735.47	44.40	14,724.94	22.58	332,536.23
1979	1,187,117.49	43.83	27,083.61	22.77	616,704.79
1980	960,476.35	43.25	22,206.31	22.96	509,823.83
1981	310,226.50	42.66	7,272.27	23.15	168,324.58
1982	59,909.86	42.05	1,424.70	23.33	33,245.21
1983	40,125.16	41.43	968.55	23.52	22,780.46
1984	4,509,641.71	40.79	110,554.41	23.71	2,620,848.68
1985	758,498.23	40.14	18,896.58	23.89	451,436.95
1986	15,635,675.57	39.47	396,109.08	24.07	9,533,919.39

**Progress Energy Carolinas, Inc**  
**Total Company**  
**324.00 ACCESSORY ELECTRIC EQUIPMENT**  
**Original Cost Of Utility Plant In Service**  
**And Development Of Composite Remaining Life as of December 31, 2002**  
**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1987	17,212,872.51	38.79	443,718.51	24.25	10,759,250.19
1988	902,925.58	38.10	23,700.69	24.42	578,860.88
1989	5,702,592.21	37.39	152,527.41	24.59	3,751,381.82
1990	124,129.31	36.66	3,385.65	24.77	83,845.85
1991	7,738,191.82	35.93	215,396.77	24.93	5,370,176.77
1992	3,213,345.42	35.17	91,357.59	25.09	2,292,531.66
1993	253,666.85	34.41	7,372.43	25.25	186,167.40
1994	2,665,843.54	33.63	79,273.92	25.41	2,014,079.53
1995	1,011,154.87	32.84	30,794.29	25.56	786,956.28
1996	214,447.52	32.03	6,695.12	25.70	172,071.72
1997	393,091.58	31.21	12,594.09	25.84	325,448.14
1998	182,919.17	30.38	6,020.61	25.98	156,391.07
1999	238,798.86	29.54	8,083.89	26.10	211,024.61
2000	45,500.50	28.69	1,586.12	26.23	41,599.90
2001	53,012.91	27.82	1,905.41	26.34	50,195.02
2002	51,701.57	26.95	1,918.59	26.45	50,754.36
<b>Total</b>	<b>72,895,625.00</b>	<b>39.00</b>	<b>1,869,004.44</b>	<b>24.10</b>	<b>45,048,516.83</b>
<b>Account</b>					
<b>Total</b>	<b>471,351,326.43</b>	<b>44.71</b>	<b>10,542,313.64</b>	<b>29.98</b>	<b>316,086,854.43</b>

**Composite Average Remaining Life ... 29.98 Years**

*Progress Energy Carolinas, Inc*

*Total Company*

*325.00 MISC. POWER PLANT EQUIPMENT*

*Original Cost Of Utility Plant In Service*

*And Development Of Composite Remaining Life as of December 31, 2002*

*Based Upon Broad Group/Remaining Life Procedure and Technique*

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
BRUNSWICK NUCLEAR #1					
<i>Interim Survivor Curve: Iowa 45 RI</i>					
<i>Probable Retirement Year: 2036</i>					
1971	189.20	43.43	4.36	21.62	94.21
1972	203.88	43.23	4.72	21.98	103.68
1973	235.07	43.01	5.46	22.34	122.06
1975	765.13	42.54	17.99	23.02	414.05
1977	2,832,325.93	41.99	67,449.64	23.67	1,596,580.04
1978	68,385.99	41.69	1,640.17	23.99	39,340.75
1979	92,824.26	41.38	2,243.22	24.29	54,492.10
1980	222,038.43	41.05	5,409.20	24.59	133,010.63
1981	779,440.42	40.70	19,151.17	24.88	476,460.48
1982	884,137.58	40.33	21,920.92	25.16	551,518.38
1983	1,441,671.66	39.95	36,087.51	25.43	917,779.01
1984	6,374,623.18	39.55	161,186.21	25.70	4,141,693.00
1985	11,815,957.84	39.13	301,969.23	25.95	7,835,846.28
1986	1,658,793.05	38.69	42,869.70	26.19	1,122,939.60
1987	7,366,860.04	38.24	192,644.24	26.43	5,091,778.26
1988	2,041,449.19	37.77	54,048.72	26.66	1,440,855.31
1989	241,192.10	37.28	6,469.17	26.88	173,872.91
1990	2,934,153.40	36.78	79,777.32	27.09	2,160,957.36
1991	1,265,651.96	36.26	34,906.24	27.29	952,569.12
1992	1,338,100.96	35.72	37,459.28	27.48	1,029,539.29
1993	882,438.02	35.17	25,091.98	27.67	694,326.00
1994	5,916,952.23	34.60	171,016.15	27.85	4,763,010.78
1995	2,412,882.66	34.01	70,938.49	28.02	1,988,024.58
1996	5,479,130.11	33.41	163,981.00	28.19	4,623,008.40
1997	716,435.84	32.80	21,844.23	28.35	619,367.33
1998	412,163.19	32.17	12,813.28	28.51	365,303.59



***Progress Energy Carolinas, Inc***

***Total Company***

***325.00 MISC. POWER PLANT EQUIPMENT***

***Original Cost Of Utility Plant In Service***

***And Development Of Composite Remaining Life as of December 31, 2002***

***Based Upon Broad Group/Remaining Life Procedure and Technique***

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1999	35,694.69	31.52	1,132.39	28.66	32,454.77
2000	5,815,273.59	30.86	188,426.98	28.81	5,427,914.83
2001	1,206,879.98	30.19	39,977.78	28.95	1,157,298.64
2002	330,235.86	29.50	11,193.80	29.09	325,581.94
<b>Total</b>	<b>64,567,085.44</b>	<b>36.44</b>	<b>1,771,680.54</b>	<b>26.93</b>	<b>47,716,257.37</b>

**BRUNSWICK NUCLEAR #2**

***Interim Survivor Curve: Iowa 45 R1***

***Probable Retirement Year: 2034***

1922	13.72	45.00	0.30	3.26	0.99
1946	47.97	45.00	1.07	11.41	12.16
1950	49.00	44.98	1.09	13.03	14.20
1968	16.46	43.61	0.38	20.03	7.56
1971	185.99	43.01	4.32	21.05	91.03
1975	2,787,650.09	41.99	66,385.72	22.32	1,481,415.43
1976	115,639.54	41.69	2,773.51	22.61	62,715.68
1977	153,699.15	41.38	3,714.34	22.90	85,065.51
1978	182,042.40	41.05	4,434.83	23.18	102,819.35
1979	185,055.43	40.70	4,546.89	23.46	106,663.26
1980	700,201.16	40.33	17,360.48	23.72	411,868.22
1981	196,343.13	39.95	4,914.80	23.98	117,867.95
1982	223,255.52	39.55	5,645.15	24.23	136,791.71
1983	213,068.91	39.13	5,445.20	24.47	133,264.22
1984	64,467.68	38.69	1,666.10	24.71	41,163.73
1985	321,768.30	38.24	8,414.28	24.93	209,778.32
1986	11,044,536.96	37.77	292,411.45	25.15	7,353,384.06
1987	315,400.44	37.28	8,459.56	25.36	214,498.71
1988	6,679,918.09	36.78	181,621.70	25.56	4,641,447.23
1989	512,753.74	36.26	14,141.57	25.75	364,107.21

**Progress Energy Carolinas, Inc**

**Total Company**

**325.00 MISC. POWER PLANT EQUIPMENT**

**Original Cost Of Utility Plant In Service**

**And Development Of Composite Remaining Life as of December 31, 2002**

**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1990	44,545.29	35.72	1,247.02	25.93	32,336.61
1991	14,196.43	35.17	403.67	26.11	10,538.92
1992	1,652.14	34.60	47.75	26.28	1,254.79
1993	11.07	34.01	0.33	26.44	8.61
1994	456,046.59	33.41	13,648.70	26.60	363,011.75
1995	1,063,342.46	32.80	32,421.47	26.75	867,189.82
1996	82,303.43	32.17	2,558.64	26.89	68,809.45
2001	762.92	28.80	26.49	27.55	729.74
<b>Total</b>	<b>25,358,974.01</b>	<b>37.72</b>	<b>672,296.80</b>	<b>25.00</b>	<b>16,806,856.23</b>

**BRUNSWICK OFFSITE MEDIA CENTER #MC**

**Interim Survivor Curve: Iowa 45 RI**

**Probable Retirement Year: 2036**

1986	2,356.35	38.69	60.90	26.19	1,595.16
<b>Total</b>	<b>2,356.35</b>	<b>38.69</b>	<b>60.90</b>	<b>26.19</b>	<b>1,595.16</b>

**HARRIS NUCLEAR #1**

**Interim Survivor Curve: Iowa 45 RI**

**Probable Retirement Year: 2046**

1980	293.56	43.61	6.73	27.69	186.40
1981	7,492.31	43.43	172.52	28.14	4,855.09
1982	12,703.99	43.23	293.87	28.58	8,399.83
1983	25,805.76	43.01	599.93	29.02	17,407.45
1984	793,424.65	42.78	18,545.25	29.44	545,927.96
1985	812.68	42.54	19.11	29.85	570.30
1986	12,743.72	42.27	301.47	30.25	9,119.86
1987	25,323,478.01	41.99	603,058.96	30.64	18,479,777.34
1988	5,009,698.06	41.69	120,152.89	31.02	3,727,646.03

**Progress Energy Carolinas, Inc**

**Total Company**

**325.00 MISC. POWER PLANT EQUIPMENT**

**Original Cost Of Utility Plant In Service**

**And Development Of Composite Remaining Life as of December 31, 2002**

**Based Upon Broad Group/Remaining Life Procedure and Technique**

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1989	3,115,829.39	41.38	75,298.06	31.39	2,363,921.68
1990	3,857,441.37	41.05	93,973.20	31.75	2,983,969.58
1991	3,505,793.39	40.70	86,138.76	32.10	2,765,226.16
1992	2,599,501.18	40.33	64,450.89	32.44	2,090,851.91
1993	548,899.76	39.95	13,739.90	32.77	450,248.21
1994	3,729,070.66	39.55	94,291.81	33.09	3,119,925.96
1995	4,681,505.58	39.13	119,640.80	33.40	3,995,652.46
1996	808,073.90	38.69	20,883.79	33.70	703,734.59
1997	2,975,649.82	38.24	77,813.59	33.99	2,644,797.96
1998	681,104.85	37.77	18,032.70	34.27	618,008.82
1999	2,864,535.67	37.28	76,831.55	34.55	2,654,217.22
2000	2,539,696.63	36.78	69,052.35	34.81	2,403,874.65
2001	1,560,840.77	36.26	43,047.45	35.07	1,509,758.39
2002	1,903,883.72	35.72	53,298.00	35.32	1,882,679.32
<b>Total</b>	<b>66,558,279.43</b>	<b>40.35</b>	<b>1,649,643.59</b>	<b>32.12</b>	<b>52,980,757.14</b>

**ROBINSON OFFSITE MEDIA CENTER #MC**

**Interim Survivor Curve: Iowa 45 RI**

**Probable Retirement Year: 2030**

1991	4,055.59	32.80	123.66	23.54	2,910.65
1992	0.38	32.17	0.01	23.66	0.28
<b>Total</b>	<b>4,055.97</b>	<b>32.80</b>	<b>123.67</b>	<b>23.54</b>	<b>2,910.93</b>

**ROBINSON NUCLEAR #2**

**Interim Survivor Curve: Iowa 45 RI**

**Probable Retirement Year: 2030**

1971	1,788,547.99	41.99	42,592.88	19.64	836,734.13
1972	99,382.07	41.69	2,383.59	19.90	47,444.40

**Progress Energy Carolinas, Inc**  
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<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1974	48,660.00	41.05	1,185.43	20.41	24,188.98
1975	24,774.33	40.70	608.72	20.65	12,566.98
1976	39,282.86	40.33	973.96	20.88	20,334.46
1977	97,424.15	39.95	2,438.69	21.10	51,466.56
1978	272,626.77	39.55	6,893.53	21.32	146,998.00
1979	332,228.22	39.13	8,490.44	21.54	182,853.01
1980	170,640.58	38.69	4,410.02	21.74	95,880.55
1981	797,728.39	38.24	20,860.69	21.94	457,674.37
1982	1,065,286.97	37.77	28,204.18	22.13	624,171.41
1983	562,268.12	37.28	15,080.95	22.31	336,530.84
1984	1,419,142.95	36.78	38,585.38	22.49	867,853.08
1985	677,571.16	36.26	18,687.18	22.66	423,478.65
1986	811,234.19	35.72	22,709.98	22.82	518,335.22
1987	7,684,147.80	35.17	218,497.49	22.98	5,021,154.05
1988	1,595,002.82	34.60	46,099.96	23.13	1,066,268.99
1989	291,142.91	34.01	8,559.57	23.27	199,198.63
1990	2,307,388.44	33.41	69,056.19	23.41	1,616,482.62
1991	701,492.64	32.80	21,388.61	23.54	503,453.52
1992	1,543,716.04	32.17	47,990.88	23.66	1,135,632.94
1993	1,986,794.68	31.52	63,029.46	23.78	1,499,032.60
1994	5,191,329.00	30.86	168,209.87	23.90	4,019,832.09
1995	1,341,863.20	30.19	44,449.09	24.01	1,067,128.69
1996	1,444,976.66	29.50	48,979.48	24.11	1,181,110.42
1997	2,596,106.62	28.80	90,138.67	24.22	2,182,866.64
1998	1,405,147.96	28.09	50,026.94	24.32	1,216,435.36
1999	2,263,453.68	27.36	82,723.42	24.41	2,019,378.16
2000	1,465,658.65	26.62	55,051.93	24.50	1,348,983.12
2001	1,926,036.42	25.87	74,443.00	24.59	1,830,874.86
2002	2,564,024.50	25.11	102,110.28	24.68	2,520,279.95

**Progress Energy Carolinas, Inc**  
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<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
<b>Total</b>	44,515,080.77	31.69	1,404,860.48	23.54	33,074,623.30
<b>Account</b>					
<b>Total</b>	201,005,831.97	36.56	5,498,665.98	27.39	150,583,000.14
<b>Composite Average Remaining Life ... 27.39 Years</b>					